SAILOR®
by Thrane & Thrane

TT-10236A easyMail User Manual

Information in this document is subject to change without notice and does not represent a commitment on the part of Thrane & Thrane A/S.

Document number: TT 99-122283 Revision: B

SAFETY SUMMARY

The following general safety precautions must be observed during all phases of operation, service and repair of this equipment. Failure to comply with these precautions or with specific warnings elsewhere in this manual violates safety standards of design, manufacture and intended use of the equipment

Thrane & Thrane A/S assume no liability for the customer's failure to comply with these requirements.

MICROWAVE RADIATION HAZARDS

During transmission this unit radiates microwaves from the antenna. This radiation may be hazardous to humans if they are exposed to it directly at short distances from the antenna. During transmission, make sure that nobody is closer than the recommended minimum safety distance of 1 ft. (0.3 meter).

KEEP AWAY FROM LIVE CIRCUITS

Operating personnel must not remove equipment covers. Only qualified maintenance personnel must make component replacement and internal adjustment. Under certain conditions, dangerous voltages may exist even with the power cable removed. To avoid injuries, always disconnect power and discharge circuits before touching them.

SAFETY AT SEA

Use the easyTrack transceiver in connection with a display device (e.g. a personal computer with EasyMail or a Message Terminal) to increase safety at sea. Without a display terminal you will be unable to display meteorological, navigational and SAR messages, distress alert relays as well as commercial messages.

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1 SCOPE AND PURPOSE

The purpose of this document is to describe the system in which the easyTrack Mobile Earth Station (MES) is used and how the easyTrack MES is operated. The information found in the manual is only an overall briefing. For detailed description read the documents listed in section 1.1 Related Documents. For access to these manuals please contact the local distributor.

1.1 RELATED DOCUMENTS

Looking for	Please read
Detailed description of the installation of the easyTrack MES.	[1] TT98-121787, TT-3026D/M/S Installation Manual
Detailed description of the use of the easyTrack MES.	[2] TT98-121798, TT-3026DMS User Manual
Detailed description of RS232 interface to the easyTrack MES.	[3] TT 98-116080, TT-3026 Software Interface Reference Manual
Detailed description of the Land Earth Station PSDN interface	[4] TT 99-103879, PSDN User Interface Manual
Detailed description of the Land Earth Station Internet interface	[5] TT 99-110036, Internet Gateway User Manual
Something not described in any of the above listed documents	[6] On www.thrane.com how to contact the local Thrane & Thrane distributor for further assistance.

Table 1 Related documents

1.2 ABBREVIATIONS AND TERMS

AA	Accounting Authority.
Capsat Manager	Thrane & Thrane fleet tracking program.
DNID	Data Network ID (for tracking purpose).
EGC	Enhanced Group Call.
Geostationary	Geostationary satellites are positioned 36000 Km above the earth. At this height they rotate around the earth at the same speed as the earth rotates around its axis, so in effect remaining stationary above a point on the earth.
GPS	Global Positioning System.
Inmarsat-C mobile	The easyTrack satellite communication modem.
ISP	Inmarsat Service Provider. Company offering the service. Most likely also a PSA and AA.
ISN	Inmarsat Serial Number.
LES	Land Earth Station.
Login	Registration of easyTrack MES in the Inmarsat-C system.
Member number	Used to distinguish easyTrack MES's with same DNID from another.
MES	Mobile Earth Station – the name of the transceiver in Inmarsat-C.
MRCC	Maritime Rescue Coordination Centre
NCS	Network Coordination Station.
Ocean region	Coverage of one of four geostationary Inmarsat satellites.
OS	Operating System.

Position report	Compact information transmitted from easyTrack that includes the GPS position.
PSA	Point of Service Activation. Company making the registration. Most likely also an ISP and AA.
PSDN	Public Switched Data Network such as the X25 data network.
PSTN	Public Switched Telephone Network is the land based telephone system or an analogue modem.
SARF	Service Activation Registration Form.
Store and forward	LES receives complete mails before forwarding it to the recipient.
Telex	TELeprinter EXchange is a standardized, internationally recognized, means of real time text communications.

Table 2 Abbreviations and terms

2 INSTALLING EASYMAIL

2.1 ABOUT EASYMAIL

EasyMail is a PC program, which can be used to control Thrane & Thrane and Sailor Inmarsat-C transceivers.
With easyMail you can easily send and receive e-mail, SMS, fax and telex messages, set up position reporting, receive EGC messages and many other things.

2.2 BEFORE YOU INSTALL

Before installation of easyMail make sure that your PC fulfils the following requirements:

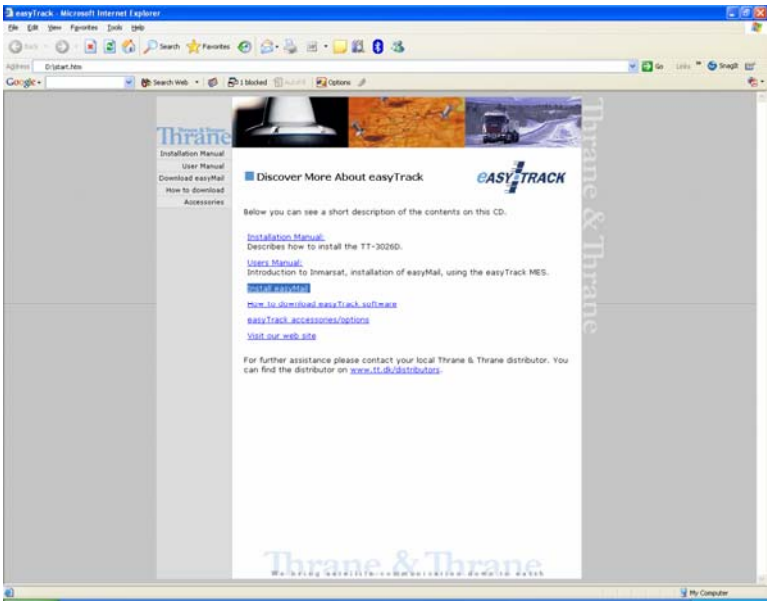
Operating system: Windows 98SE, 2000 or XP
Free hard drive space: 10MByte minimum, 50MByte recommended.

2.3 EASYMAIL INSTALLATION

Follow these steps to install easyMail:

1. CD startup

- Insert the easyMail installation CD in the CD drive of the PC. The setup program will start up automatically and the following window will be shown.

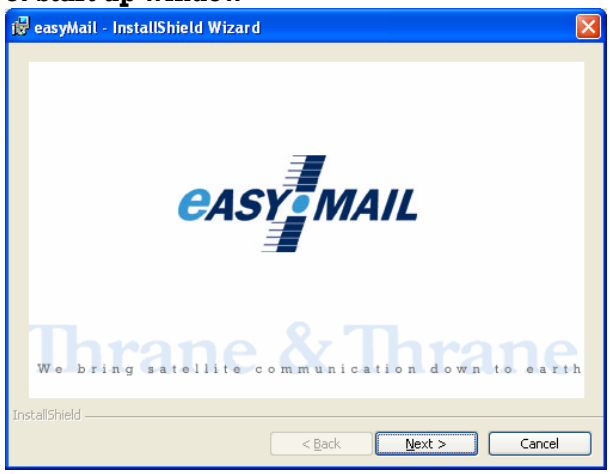


If the program does not start automatically, run start.htm from your CD drive.

2. Starting the installation

- Click 'Install easyMail'.

3. Start up window

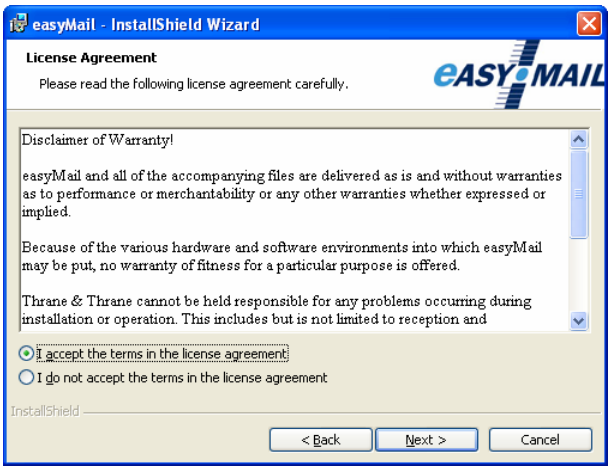


- Click 'Next'.

4. Welcome screen

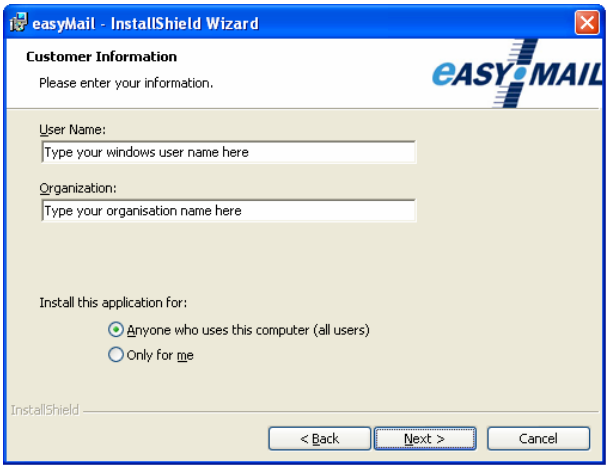
- Click 'Next'.

5. Disclaimer window



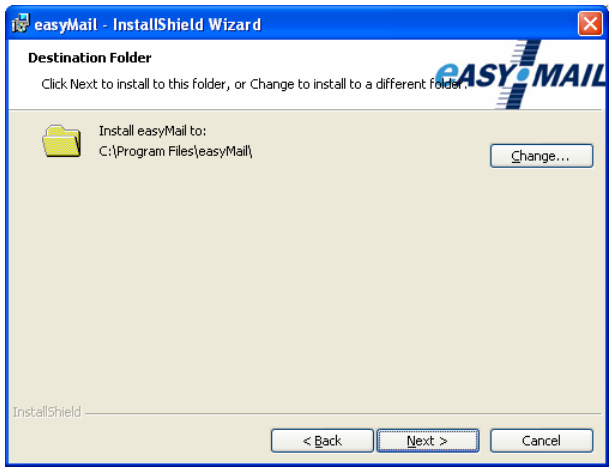
- Read the disclaimer
- Click the button ‘ I accept the terms in the license agreement’
- Click ‘Next’

6. Customer information



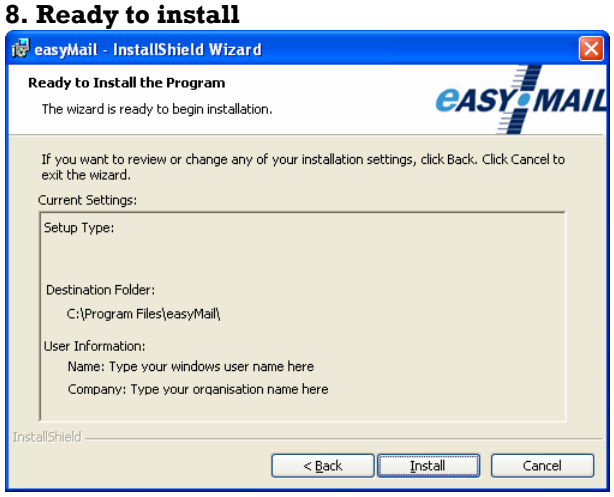
- Type user name and organisation
- Click ‘Next’.

7. Destination folder



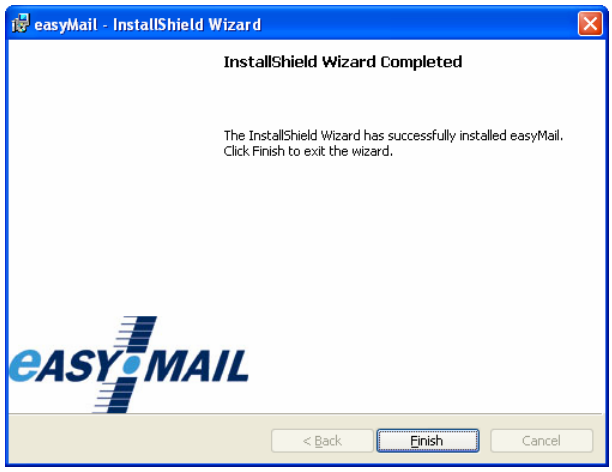
- Choose destination folder (Default and recommended folder is C:\Program Files\easyMail)
- Click 'Next'.

8. Ready to install



- Click 'Install' to begin installing easyMail.

9. Install completed



- Click 'Finish' to complete the installation procedure.

10. Starting easyMail

- easyMail can be started in one of two ways:

1. Click the easyMail icon on the desktop.
2. Start easyMail from Start→Programs→Thrane & Thrane→easyMail

The easyMail main window below will be shown.

2.4 RUNNING EASYMAIL FOR THE FIRST TIME

When starting easyMail, for a moment the Connections and Mobile status field look like this:

Figure 1 easyMail with no connection to easyTrack

After a few seconds, the fields should change to this:

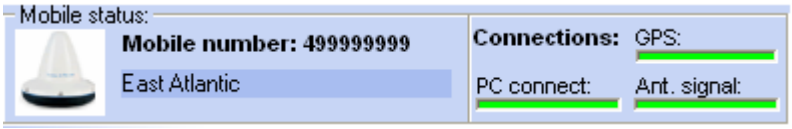


Figure 2 easyMail connected to easyTrack, good satellite signal and GPS fix.

If the fields look like Figure 21, please go on to 5.5 easyMail basic setup.

If the fields look like Figure 20, The PC has not connected to easyTrack. This usually is because the COM port in the PC is already open by another application, or because the COM port or baud rate set in easyMail is wrong. Close the other application or go to Options→Configuration→COM Settings… and choose the correct port and baud rate (default 4800).

Below is an explanation of the Connections field.

GPS
Green: GPS ok. Red: GPS error or no antenna connection.

Ant. Signal
This bar has 5 steps from all green to all red, depending on the quality of the satellite signal. Green: good signal quality. Red: no signal.

PC connect
Green: easyMail has connected to easyTrack. Red: No connection between easyMail and easyTrack

Please go on to the easyMail basic setup section, for a quick guide to getting easyTrack and easyMail configured and ready to use.

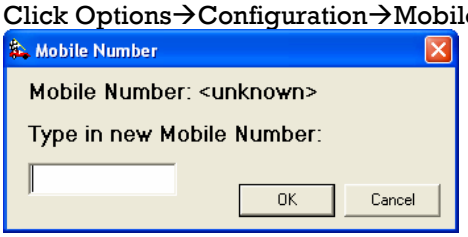
2.5 EASYMAIL BASIC SETUP

When starting easyMail for the first time, a few things need to be configured:

- Configure Mobile number.
- Log in to an Ocean Region.
- Default LES and E-mail Service Provider for sending messages.

Mobile number

Click Options→Configuration→Mobile number. The following dialog is shown:



Type the Mobile number (9 digits) and click 'Ok'.
The Mobile number should be updated:

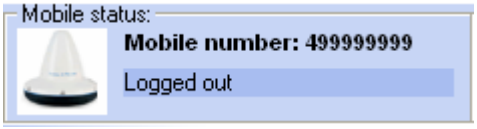


Figure 3 Example of Mobile number

Log in to an Ocean Region

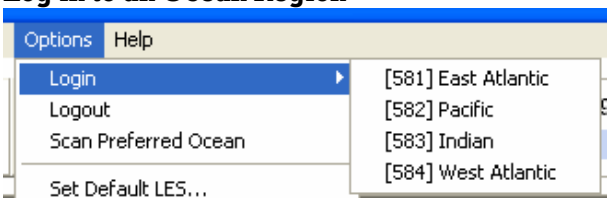


Figure 4 The login menu

Go to the menu Options→Login and choose between the 4 Ocean Regions depending on your current position.

After a short while the Mobile status field has changed:

Figure 5 Example when logged in to East Atlantic

You have now logged in to the Inmarsat satellite network.

Default LES and E-mail Service Provider for sending messages.

To set up easyMail for sending messages, the following needs to be configured.

Click Options→Set Default ISP…

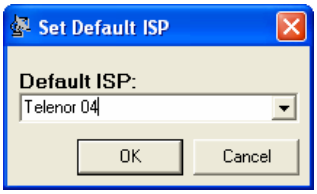


Figure 6 Choose your Service Provider

Choose your Inmarsat Service Provider on the list.

Click 'Options→Set Default LES…'

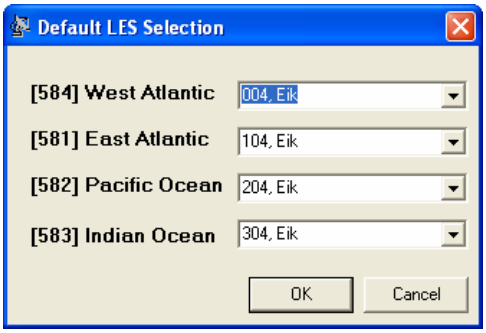


Figure 7 Land Earth Stations (LESs) of your Inmarsat Service Provider

Choose the Land Earth Stations of your Inmarsat Service Provider for each Ocean Region.

You are now ready to send and receive messages.

2.6 GETTING NEW VERSIONS OF EASYMAIL

easyMail is a free program and can be downloaded on the Thrane & Thrane website on the following address:

http://www.tt.dk/easymail

3 USING EASYMAIL

This chapter explains some overall functions supported by the easyTrack MES and how they are used together with easyMail.

For installation of TT-3026 easyTrack and easyMail, please refer to [1].

3.1 EASYMAIL MAIN WINDOW

When starting easyMail, the main window will be shown. Below is an explanation of the fields and buttons on the main window.

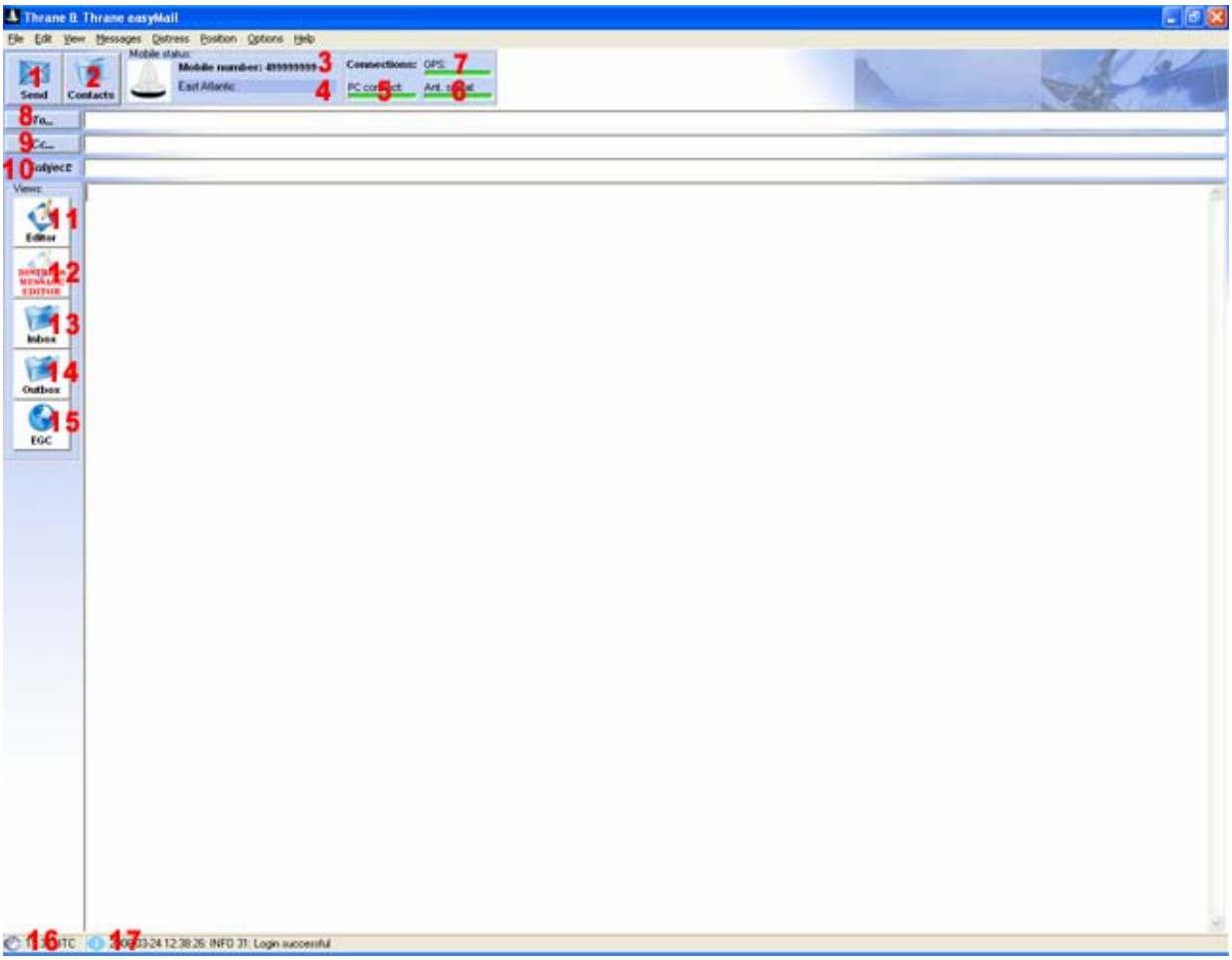


Figure 8 The easyMail main window

1) 'Send'. This button sends the message written in the Editor. Clicking the button opens a window from where a few selections can be made before sending the message.

2) 'Contacts'. Clicking this button opens the Contacts / Address book.

3) 'Mobile number'. This field shows the mobile number. Click to enter/change the mobile number.

4) 'Mobile Status Field'. This bar shows thee current status of the transceiver. Click in this field to show the Transceiver Status Window.

5) 'PC Connect'. Green: easyMail has connected to easyTrack. Red: No connection between easyMail and easyTrack

6) 'Ant Signal'. This bar has 5 steps from all green to all red, depending on the quality of the satellite signal. Green: good signal quality. Red: no signal. Click in this field to show Transceiver status.

7) 'GPS'. Green: GPS is ok. Red: GPS error or no antenna connection. Click to show GPS status window.

8) 'To'. Insert an address in the 'To' field.

9) 'Cc'. Insert an address in the 'Cc' field. This feature might not be supported by all ISPs.

10) 'Subject'. A message subject can be typed in this field.

11) 'Editor'. This shows the Editor.

12) 'Distress Message Editor'. TT-3026D only. This opens the Distress Message Editor.

13) 'Inbox'. This opens the Inbox where all incoming messages are stored.

14) 'Outbox'. This opens the Outbox where all outgoing and sent messages are stored.

15) 'EGC'. This opens the EGC log where all EGCs are stored.

16) 'UTC time'. This field shows the current UTC time.

17) 'Info bar'. This field shows the last info received. Click in this field to open the info log, showing the last 500 info messages from the transceiver.

3.1.1 HOT LIST

[1.13]

For easier navigation in easyMail, a list of all clicked menus and buttons are shown when pressing the F12 key. The list is showed with the most used items on top. When clicking the list items, the belonging button or menu item is opened.

3.2 SENDING AND RECEIVING MESSAGES

One of the main features offered by the easyTrack MES is the ability to send messages to any destination in the world from anywhere in the world.

The main window of easyMail contains a *To:* field a *Subject:* field and the *text editor*.

In the *Subject:* field write an appropriate subject for the mail. The message that needs to be sent must be written in the text editor e.g.:

Hello John,
This is my first mail from the T&T easyTrack MES.

It should be noted that the billing in the Inmarsat C system is based on consumption and therefore the cost of the message transmission will depend on how many characters the message contains.

The following sections describe how to send different types of messages using the Thrane & Thrane easyMail message handling software.

Some details like bit format and specific services and access codes are not supported on all ISPs and an ISP can at any time change the number supported formats and services.

3.2.1 PREPARE FOR SENDING MESSAGES

To set up easyMail for sending messages, the following needs to be configured.

- The transceiver must be logged in to an Ocean Region.
- The default ISP must be set.
- Default LESs must be set for all Ocean Regions.

If the mobile status is "Logged Out", then you need to log in to one of the 4 Ocean Regions.
This is done by clicking 'Options→Login→' and choosing one of the Ocean Regions.

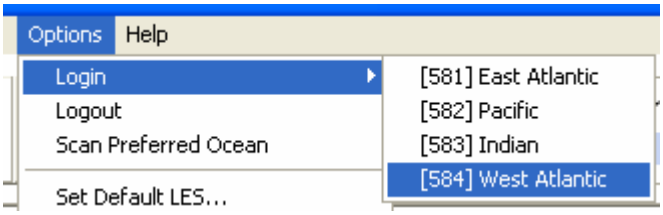


Figure 9 Logging in to an Ocean region

To set the default ISP, click Options→Set Default ISP…

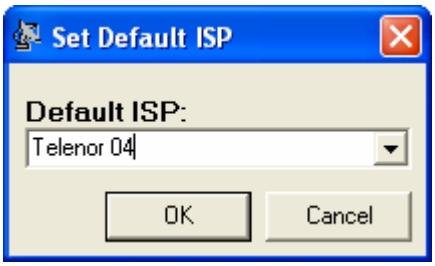


Figure 10 Choose your Service Provider

Choose your Inmarsat Service Provider on the list.

To set the default Land Earth Stations, click Options→Set Default LES…

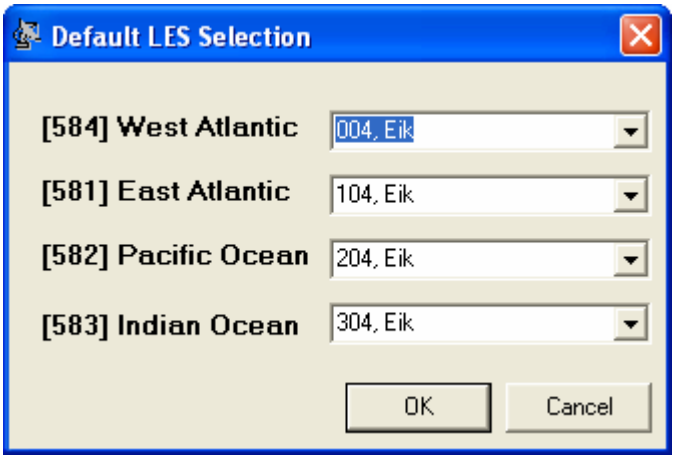


Figure 11 Land Earth Stations (LESs) of your Inmarsat Service Provider

Choose the Land Earth Stations of your Inmarsat Service Provider for each Ocean Region.

You are now ready to send and receive messages.

3.2.2 SENDING A MESSAGE

3.2.2.1 CREATE AN ADDRESS IN THE ADDRESS BOOK

A message needs to be sent to a contact in the Address Book. To create a contact, click 'Contacts' on the main window. This will open the Address Book.

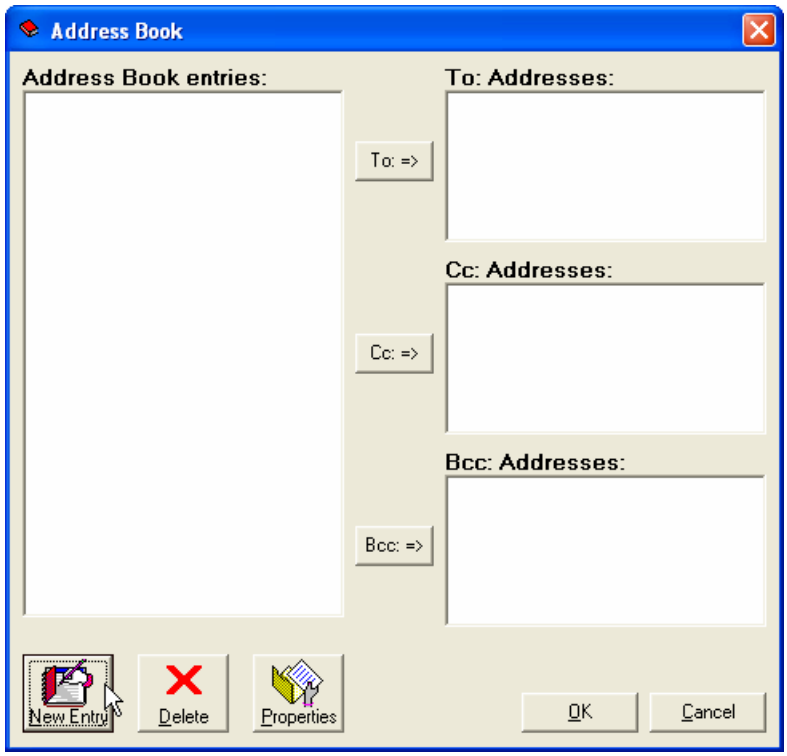


Figure 12 The Address Book

Type a name and choose a destination type, e.g. e-mail as in this example.

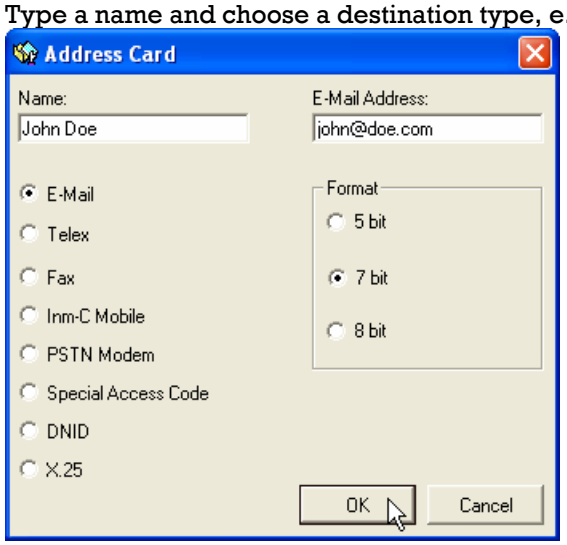


Figure 13 The Address Card

Type the e-mail address in the address field.
The Format options are used to change the size of the data being sent over satellite connection. This can make the message cheaper to send. 7 bit is cheaper to send than 8 bit, and 5 bit is cheaper than 7 bit.

There are 3 options:
Choosing 5 bit, the message is sent as ITA-2 Packed Baudot. With this format, the text will be converted to and sent with lower case letters.
Choosing 7 bit, the message is sent as Int. Alphabet no.5, odd parity.
Choosing 8 bit, the message is sent as 8-bit data. No data will be converted. Speceial characters in a text could still be slightly different from the original, depending on the character set used when typing the message and the character set used when reading the received message.

Example of conversion:

Original text:
The quick brown fox jumps over the lazy dog0123456789.,:;!"#¤%&/()=?`^'*¨@£$€{[]}|~_-<>\

Text received when sent in 5-bit format:
the quick brown fox jumps over the lazy dog0123456789.,::.'#?%+/()=?'".?@?$?(())/---()/

Text received when sent in 7-bit format:
The quick brown fox jumps over the lazy dog0123456789.,:;!"#$%&/()=?`^'*(@#${[]}|~_-<>\

Text received when sent in 8-bit format:
The quick brown fox jumps over the lazy dog0123456789.,:;!"#ñ%&/()=?`^'*¿@ú$Ç{[]}|~_-<>\

Click ‘OK’ to save the address.

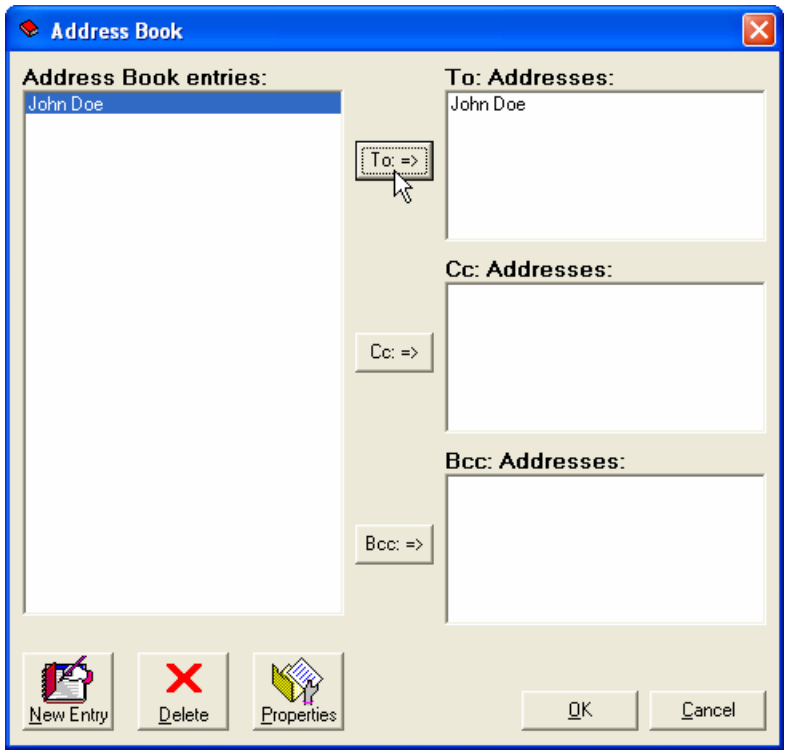


Figure 14 An address is added to the 'To' field

3.2.2.2 SENDING THE MESSAGE

After selecting an address and writing the message, click the 'Send' button to send the message. This brings up the 'Sending' window.

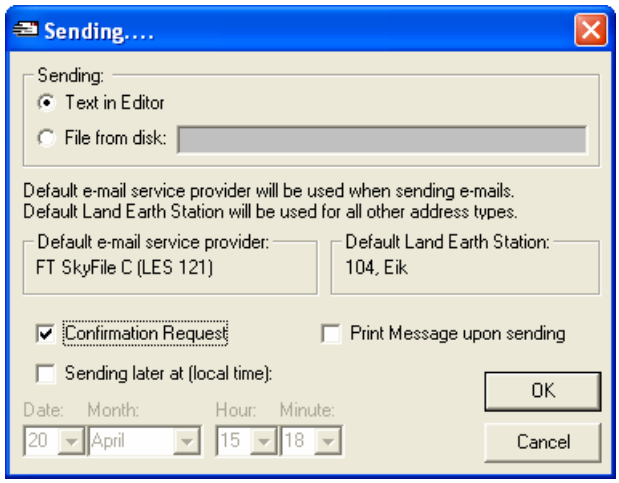


Figure 15 The sending window

Use confirmation request to get a delivery confirmation of your message.

Click 'OK' to send the message.
The message is now being sent. Go to 'Outbox' to view the status of the message.

The Outbox is saved on the PC hard drive. Go to 'Options→Configuration→Routing' for changing the current Outbox directory path.

3.2.3 EXAMPLES OF DIFFERENT MESSAGE TYPES

3.2.3.1 SMS

A message can be sent to a mobile phone as an SMS (Short Message Service).

This is usually done by creating a SAC address with a specific SAC code. The phone number and message is then written in the body text using a specific format.

Contact your Land Earth Station for further information on how to send SMS.

3.2.3.2 TELEX

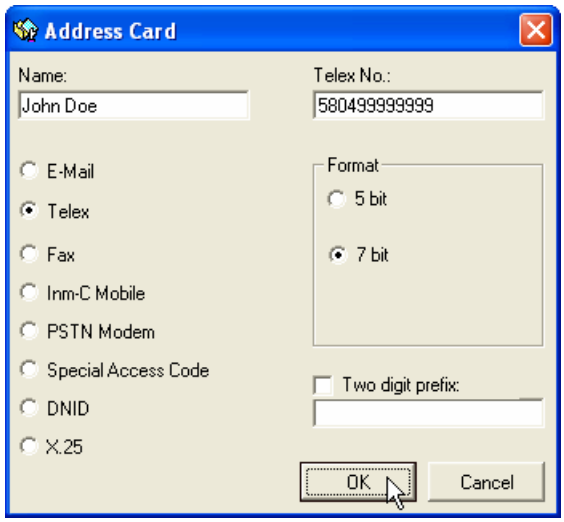


Figure 16 Example of adding a telex address

3.2.3.3 FAX

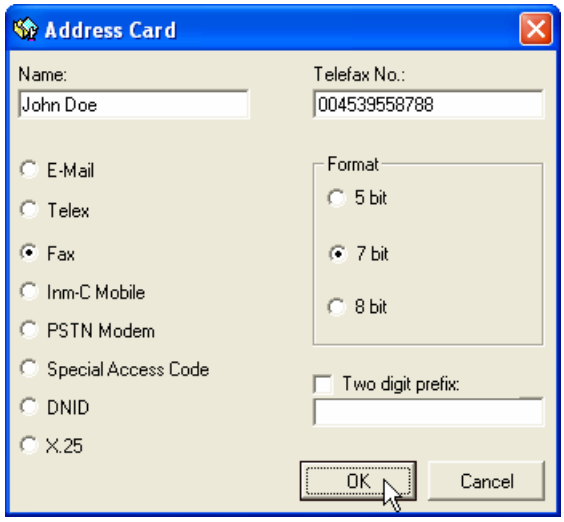


Figure 17 Example of adding a fax address

3.2.3.4 INM-C MOBILE

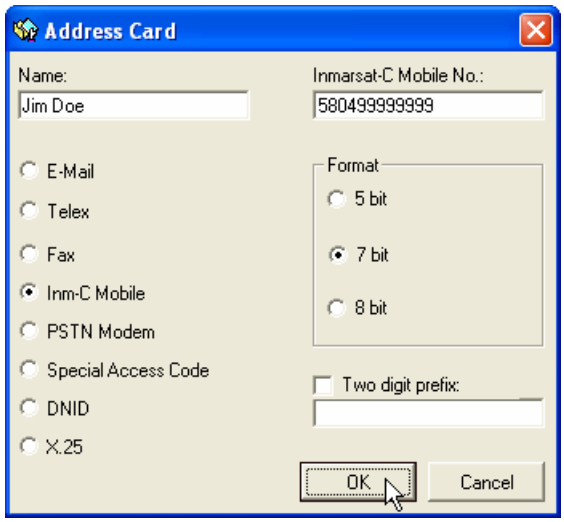


Figure 18 Example of adding an Inm-C mobile address

3.2.3.5 PSTN MODEM

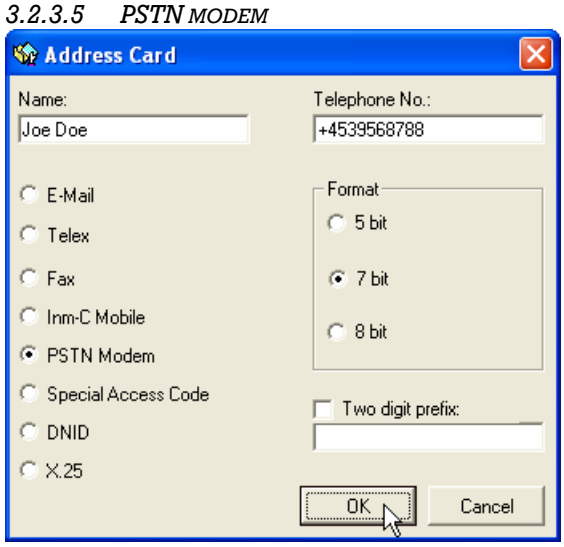


Figure 19 Example of adding a PSTN modem address

3.2.3.6 SPECIAL ACCESS CODE (SAC)

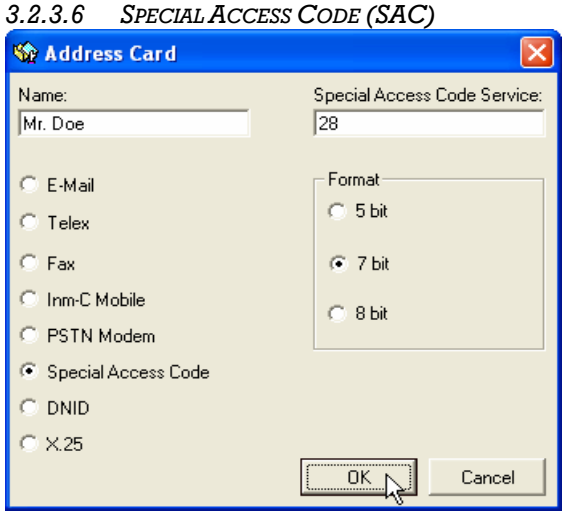


Figure 20 Example of adding a Special Access Code 28 address

3.2.3.7 DNID

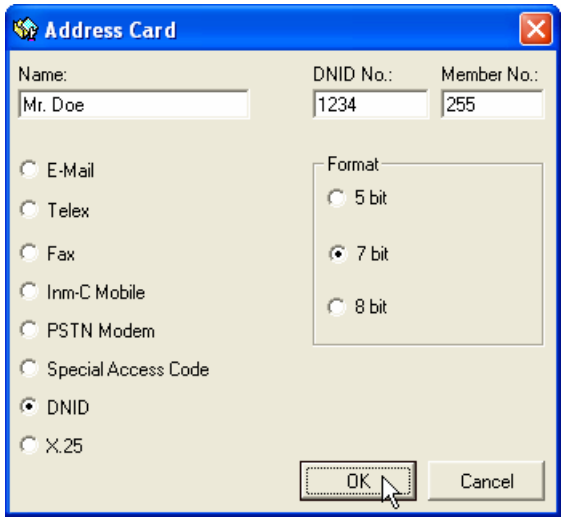


Figure 21 Example of adding a DNID address

3.2.3.8 X.25

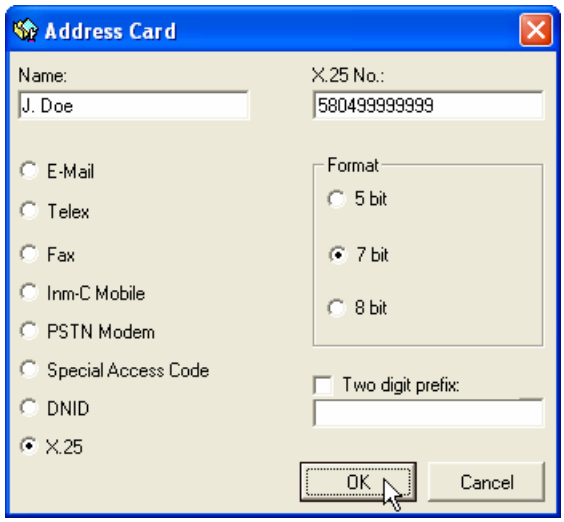


Figure 22 Example of adding an X.25 address

3.2.4 DEFAULT MESSAGES

It is possible to create 8 default messages that can easily be sent with the function keys F1-F8. This can be helpful if the same message needs to be sent regularly.

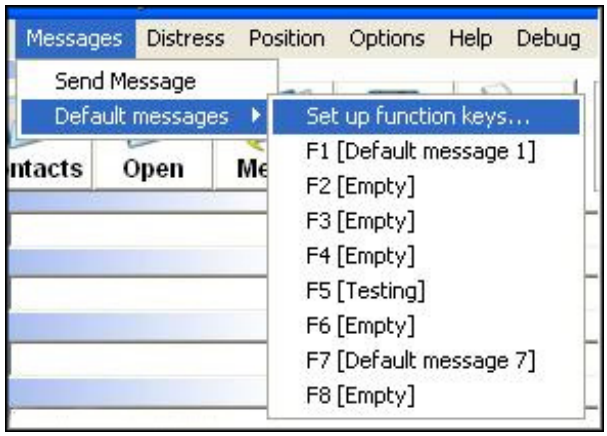


Figure 23 Default message menu

To save a default message, begin with writing the message in the Editor. Press an F key (F1-F8) or click Messages->Default messages->F1-F8. This brings up the window in Figure 24.

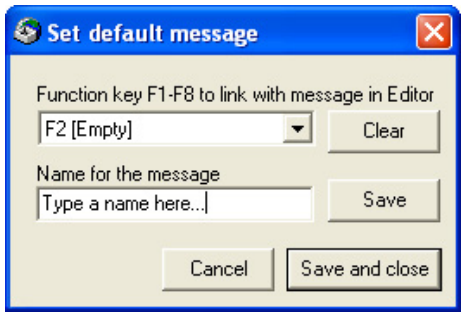


Figure 24 Set default message dialog

Type a name for the message and click 'Save and close'. The Button 'Save' saves the message without closing the dialog. The 'Clear' button clears the link between an F key and the message and deletes the message.

When a default message has been saved it's name will appear in the 'Default messages' menu. Refer to Figure 23. Pressing an F key after a message has been linked to that key, opens the 'Sending window' and the message are read to be sent (if a destination address has been chosen).

3.2.5 SENDING MESSAGES TO EASYTRACK

Messages can be sent to the easyTrack MES using an ordinary e-mail program such as Microsoft Outlook Express or Netscape. In order to send an e-mail to the MES a e-mail forwarding account must be set up and paid for at the ISP. The ISP provides an e-mail-address that must be filled into the "To:" field and usually also a password or pin code that must be filled into the subject or body of the message, this varies from ISP to ISP. Some ISPs also supports sending SMS messages to easyTrack. Contact your ISP to set up the message forwarding account.

Messages received by the easyTrack and easyMail can be found in the Inbox.

The Inbox is saved on the PC hard drive. Go to 'Options→Configuration→Routing' for changing the current Inbox directory path.

3.3 AUTO TEXT

easyMail can insert specific texts like the current position, time or a signature into the editor.

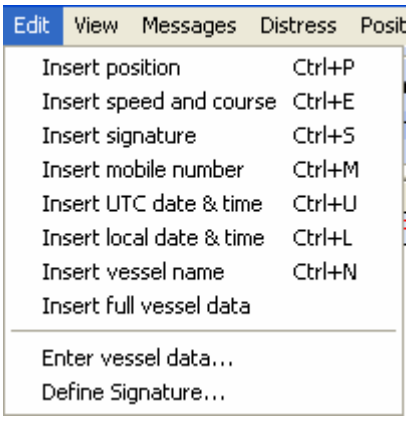


Figure 25 The auto text possibilities

This can be found in the 'Edit' menu.

3.4 EGC RECEPTION

The EGC Setup window is opened by clicking 'Options→Configuration→EGC Setup'.
Refer to [2] for an explanation of EGCs.

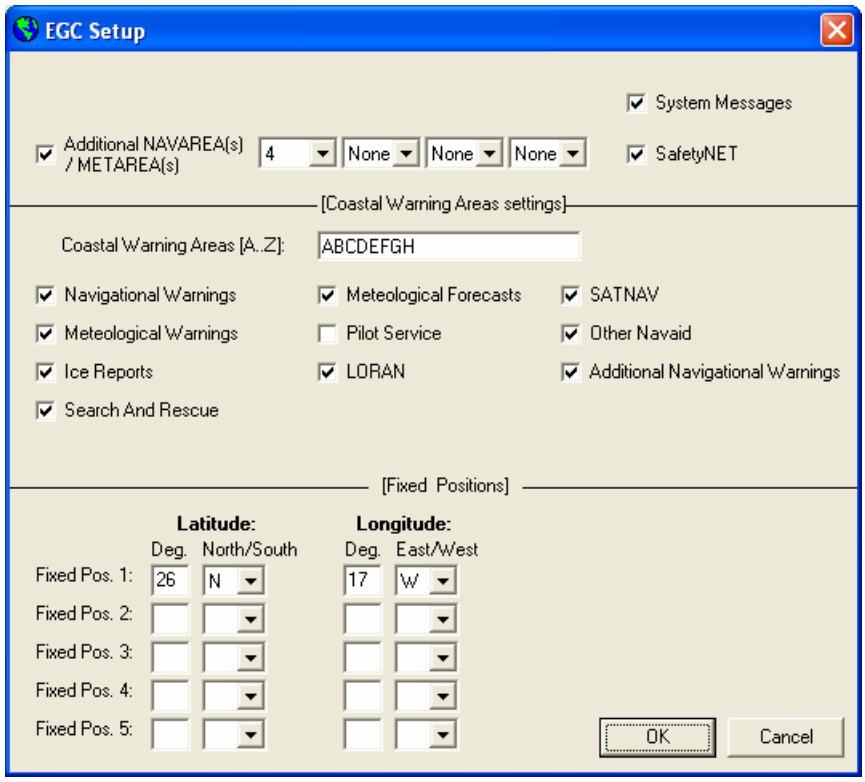


Figure 26 The EGC Setup window

Fixed positions:
Fixed positions are used to receive EGC messages sent to other positions than your current position. This can be beneficial if you for example want to know the weather forecast for the area you are heading to. You can enter several positions on your planned route to keep updated on the next parts of your trip.

3.5 POSITION REPORTING

Using the position reporting feature requires a DNID to be downloaded in the MES – please refer to [2] for more details.

When the DNID and member number is downloaded the DNID can be displayed using easyMail. Select menu *Options->Configuration->DNID* that will display the DNID list.

To actually enable the reporting, select *Options->Configuration->Position Report->DNID PU Position Reporting*. This will display the Reporting Setup window. Press the **New** button and the interval configuration window is displayed.

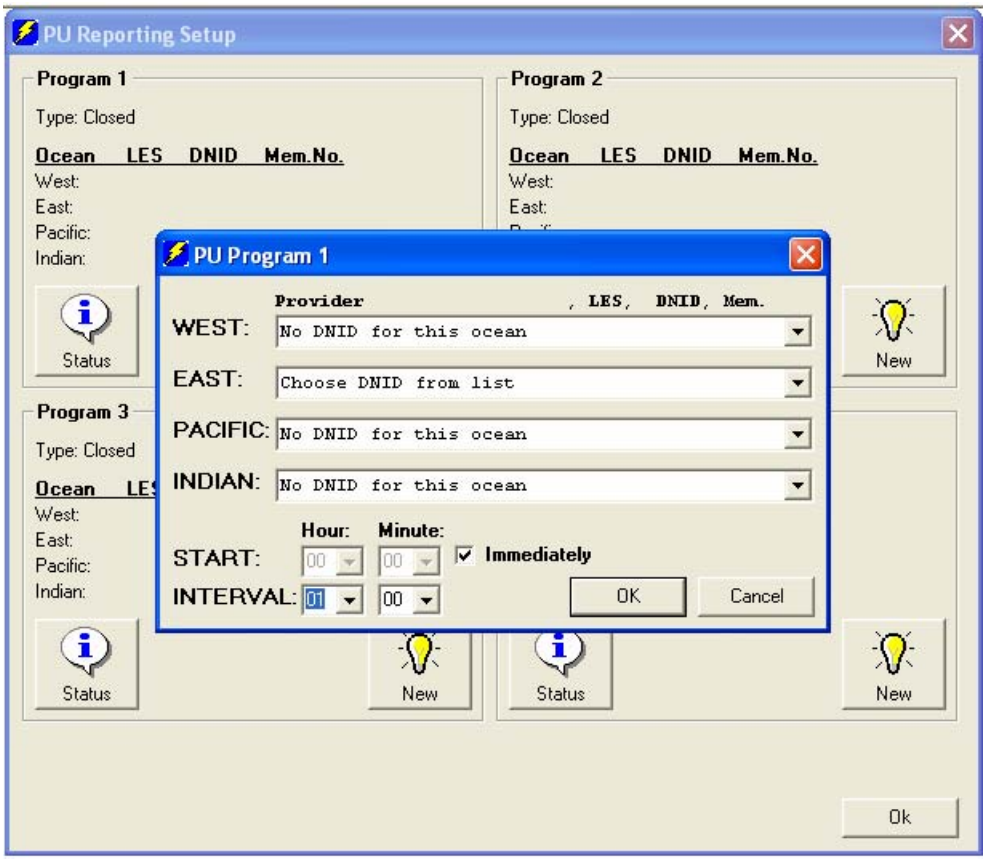


Figure 27 easyMail Position reporting set-up

Now select the LES,DNID and Member Number pair downloaded by the LES, set the interval to, e.g., 2 hours. Press the **OK** button to start the automatic reporting.

The easyTrack MES is now configured to send its position at a regular interval to the LES that stores the data in the DNID mailbox. From here the LES will typically be configured to forward the reports by e-mail.

Refer to [2] for more information about position reports and how to use them.

3.6 DNID List

Before easyTrack can be used for polling and data reporting, a DNID must exist in the transceiver. Refer to [2] for more information on DNIDs and position reporting.

The DNIDs stored in easyTrack can be viewed in the DNID List,

'Options->Configuration→DNIDs'.

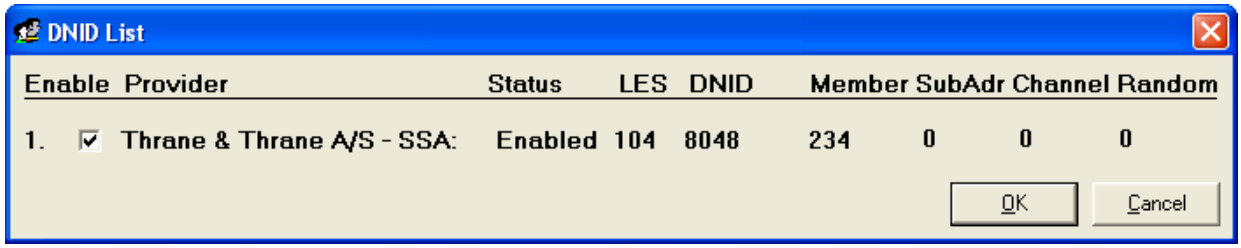


Figure 28 The DNID List

DNIDs can be enabled or disabled. Disabling a DNID makes easyTrack unable to send data/position reports or receive polls from this specific DNID.

3.7 ENID LIST

ENIDs are used to receive FleetNET EGC messages. Refer to [2] for more information on FleetNET. A list of the ENIDs existing in easyTrack can be viewed clicking 'Options→Configuration→ENIDs. ENIDs can be enabled and disabled.

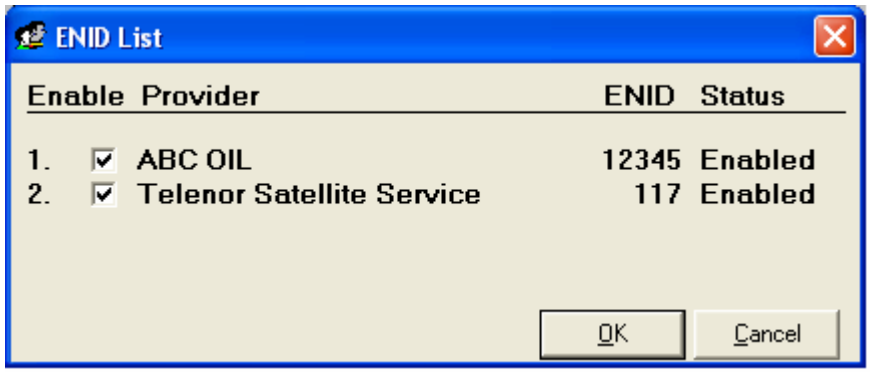


Figure 29 The ENID List

3.8 TRANSCEIVER INFORMATION

3.8.1 TRANSCEIVER STATUS

'Options→Transceiver Status'.
The Transceiver Status provides technical information on the current state of the easyTrack satellite communication. The Transceiver Status is updated every 10 seconds.

The information contained in the window can be printed or saved by clicking the 'Print…' or 'Save…' button.

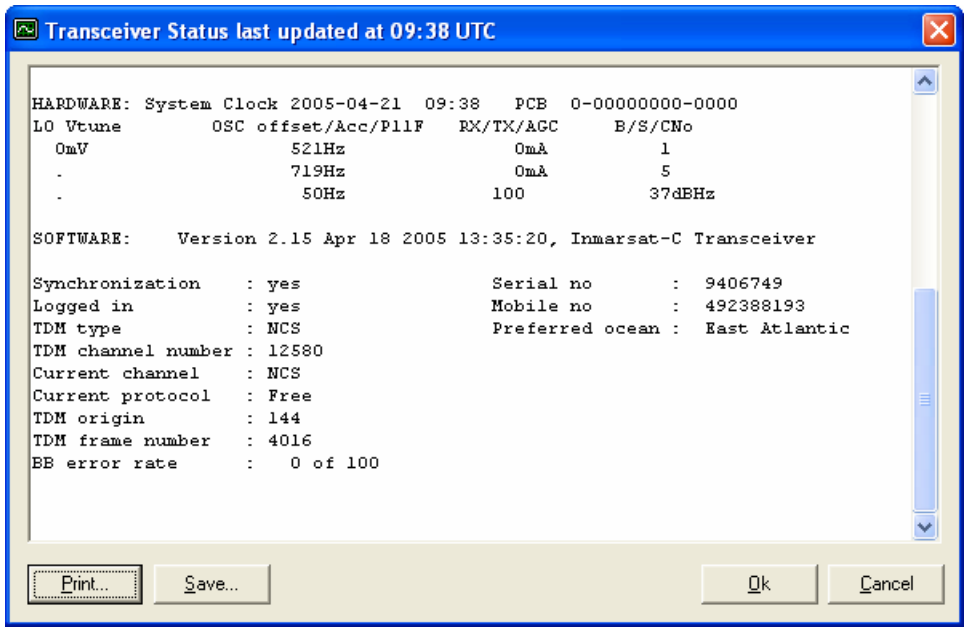


Figure 30 The Transceiver Status window

3.8.2 GPS STATUS

'Options→GPS Status'.

The GPS status provides detailed information on the current state of the GPS reception. The GPS Status is updated every 10 seconds.

The information contained in the window can be printed or saved by clicking the 'Print…' or 'Save…' button.

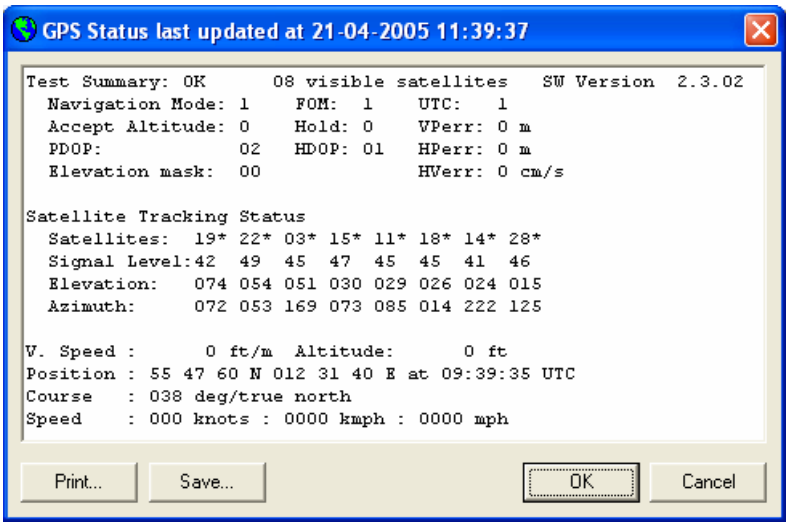


Figure 31 The GPS Status window

3.8.3 VIEW / MANUALLY UPDATE POSITION

Choosing the 'Position' menu brings up the following dialog:

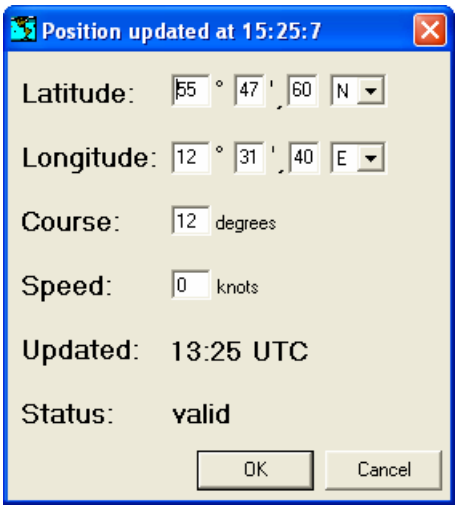


Figure 32 Position window

This dialog shows the latest position from easyTrack. The data is updated every minute.
If the GPS should fail, you can enter a position manually from this dialog. Clicking 'OK' will update the position. If the position is updated manually and the GPS is working, the GPS will immediately overwrite the manually stored position.

3.9 PASSWORD PROTECTION

easyMail allows sending of messages and changing the configuration to be password protected.

3.9.1 SETTING A TRANSMIT PASSWORD

Setting a transmit password, easyMail will ask for the password when the user clicks the 'Send' button. Only when the right password is entered, the 'sending dialog' will be shown and the message can be sent. Transmission of Distress Messages will not be password protected, so when trying to send a Distress Message, the password check will not be performed.

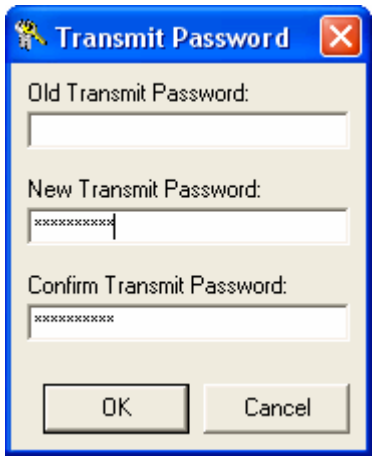


Figure 33 Creating a transmit password

3.9.2 SETTING A CONFIG PASSWORD

When a config password has been set, the user trying to enter the configuration menu (Options→Configuration) of easyMail must enter the correct password, or the configuration cannot be changed. Land earth station setup, local time settings and COM settings are not password protected.

Figure 34 Creating a config password

3.9.3 REMOVING A PASSWORD

The transmit and config passwords can be removed by typing the old password and without entering a new one in the two other fields of the Password window. Save by clicking 'OK'.

3.10 TERMINAL MODE

'Options→Configuration→Terminal Mode'.
The Terminal Mode is for advanced use, and is used to communicate with easyTrack via a textual command interface.

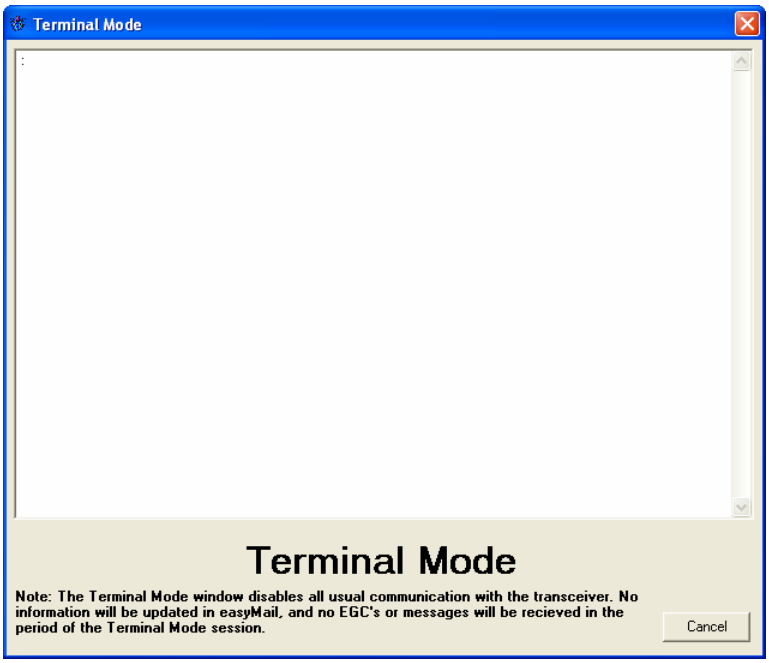


Figure 35 The Terminal mode

Note that in Terminal Mode the normal communication with the transceiver is disabled, so no information will be updated in easyMail, and no EGCs or messages will be received in the period of the Terminal Mode session.

3.11 LAND EARTH STATIONS

'Options→Configuration→Land Earth Stations'.

In this window the available Land Earth Stations can be viewed, and the names of the Land Earth Stations can be changed.

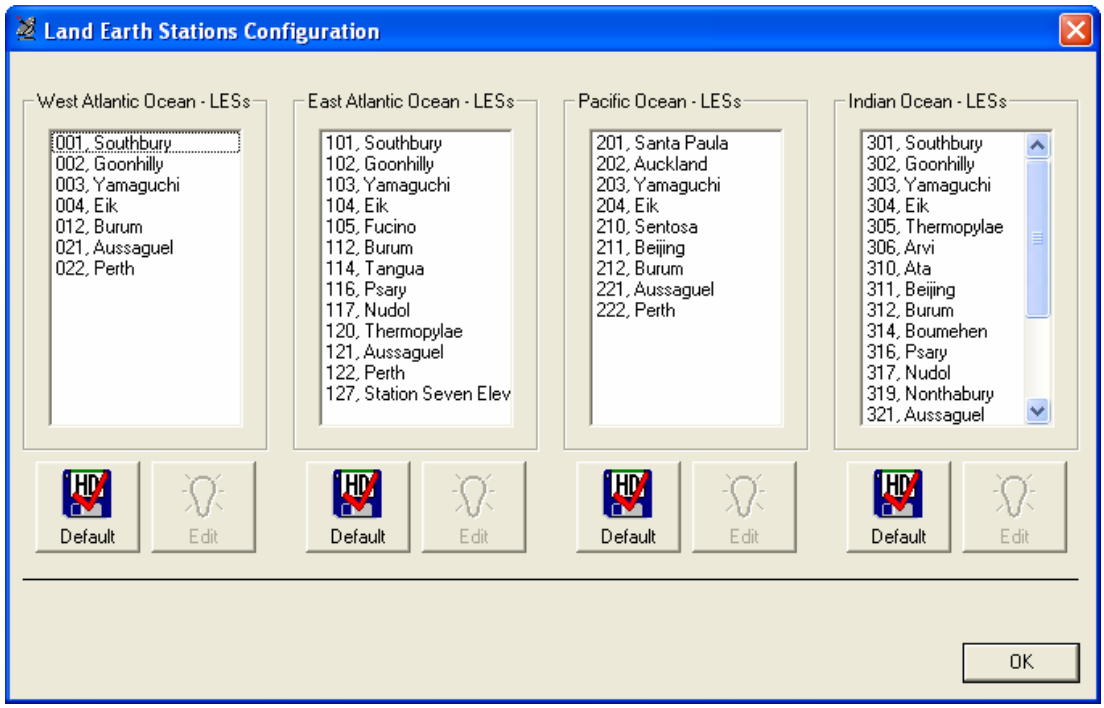


Figure 36 Land Earth Stations

To change a LES name, click on a specific LES and click the 'Edit' button. Change the name and click 'OK'.

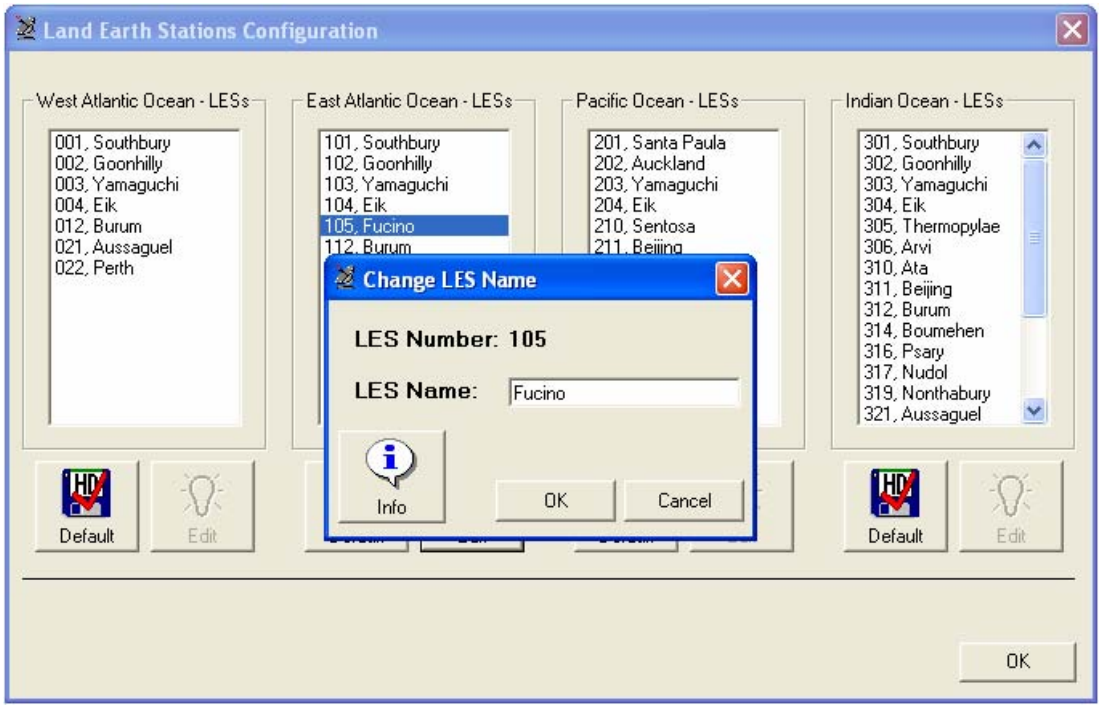


Figure 37 Changing a LES name

To restore the LESes to the default values, click the 'Default' button for the Ocean Region.

3.12 E-MAIL SERVICE PROVIDERS

'Options→Configuration→E-mail Service Providers'.

Here you can view the settings of the ISPs e-mail settings.

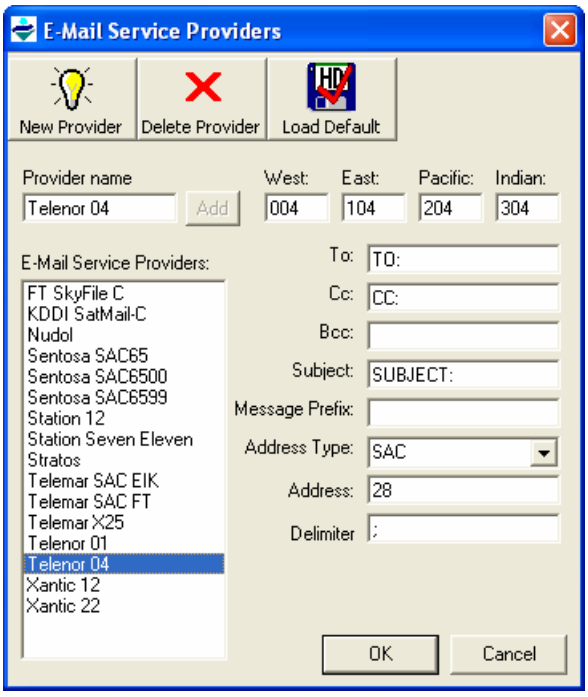


Figure 38 E-mail Service Providers

Use this dialog only to update the e-mail settings if they have been changed by your ISP, or to add new service providers that are not in the list.

If the list have been altered by a fault, the default settings can be reloaded clicking the 'Load Default' button.

3.13 SET LOCAL TIME

'Options→Configuration→Set local time'.

Use this option to set the local time in the easyTrack. The transceiver gets the UTC time from the built in GPS module, but it needs information of the current time zone to set the local time correctly.

Another option is to set the PC time to the current local time calculated from the GPS, every time easyMail starts up. This is recommended.

Figure 39 Set local time

3.14 DISTRESS FUNCTIONALITY

With a TT-3026D easyMail offers a non-SOLAS GMDSS solution. Refer to [2] for general information on this topic.

3.14.1 DISTRESS ALERT SETUP

'Distress→Distress Alert Setup'.

Feature of SOLAS and NON-SOLAS with Distress transceivers only.

Here the user can configure what information will be sent with a Distress Alert.
The Distress Alert Setup is also known as the Distress Generator.

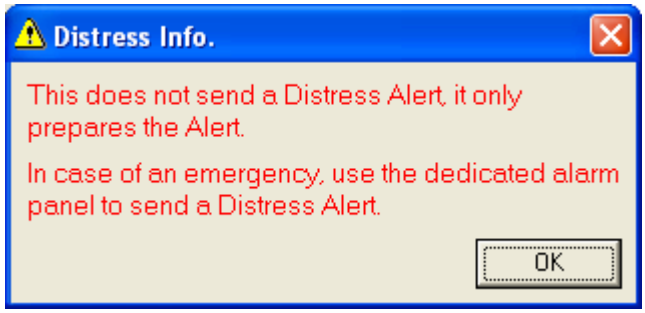


Figure 40 Distress info window

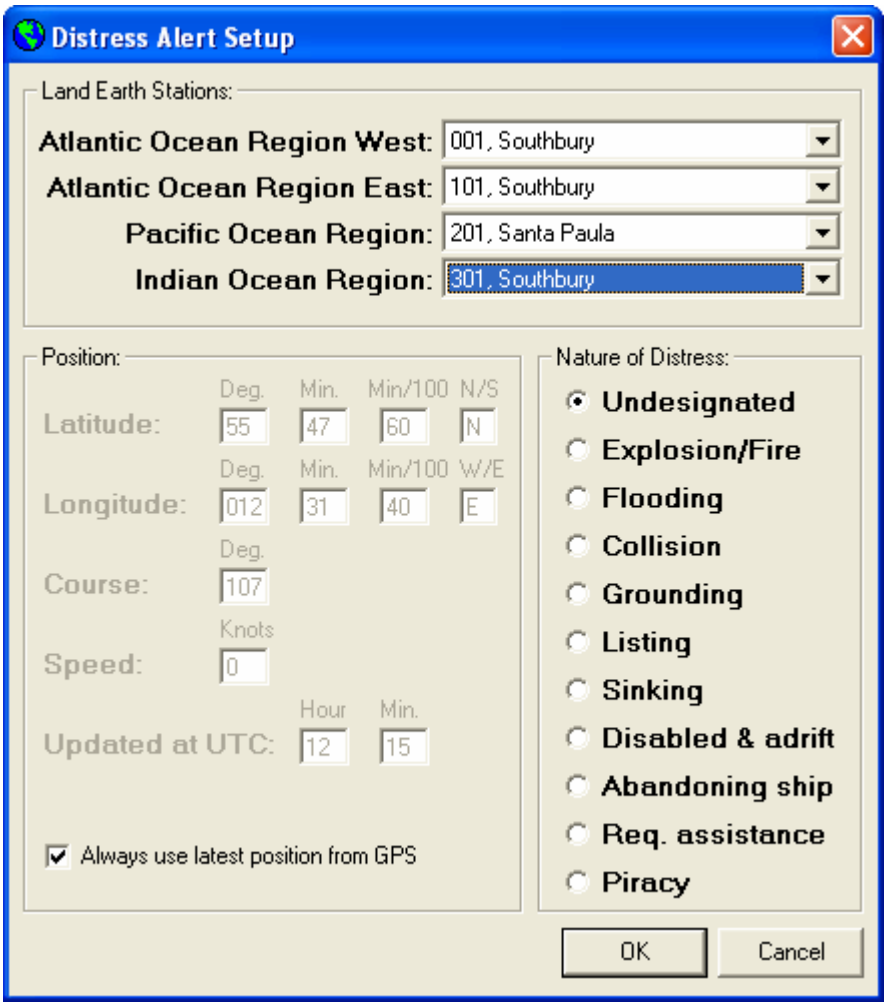


Figure 41 Distress Alert Setup

Land Earth Stations: For TT-3026D, Land Earth Stations can be configured for all 4 Ocean Regions. This is the LES where the mobile will send the Distress Alert through when initiated from the alarm panel.

Position: There are two possibilities with the position included in the Distress Alert. Either the automatically updated GPS position can be included, this will usually be the option to choose, or a position can be entered manually. When marking 'Always use latest position from GPS', it will be the GPS position that is used when sending a Distress Alert. If unmarking this option, the position fields will be enabled, and this entered position will be used in the Distress Alert.

Note: This window cannot be used to check if it is the GPS position or a manual position that will be used in the Distress Alert. It can only show the position that would be included if the Distress Alert

were sent now. The checkbox will always be marked when opening this window. So to be sure that the GPS position is included, mark the checkbox and click 'OK'.

The Distress Alert Setup is valid for 1 hour. When it becomes invalid, an info box will be shown to the user.

Nature of distress: The chosen one of the options listed, will be included in the Distress Alert. The default setting is "Undesignated".

Clicking 'OK' will update the Distress Alert Settings.

3.14.2 RESET ALARM

'Distress→Reset alarm / Latest distress info'.

Feature of SOLAS and NON-SOLAS with Distress transceivers only.

This menu item will reset the alarm buttons including the light in the button and the buzzer if present. Refer to [2] for more information.

This will be necessary to do after sending a Distress Alert or receiving an urgent/distress priority SafetyNet EGC or an urgent/distress priority message.

When resetting the buttons, a window displaying the latest distress information will also be shown. Click 'OK' to close this window.

3.14.3 LATEST DISTRESS INFORMATION

'Distress→Reset alarm / Latest distress info'.

Feature of SOLAS and NON-SOLAS with Distress transceivers only.

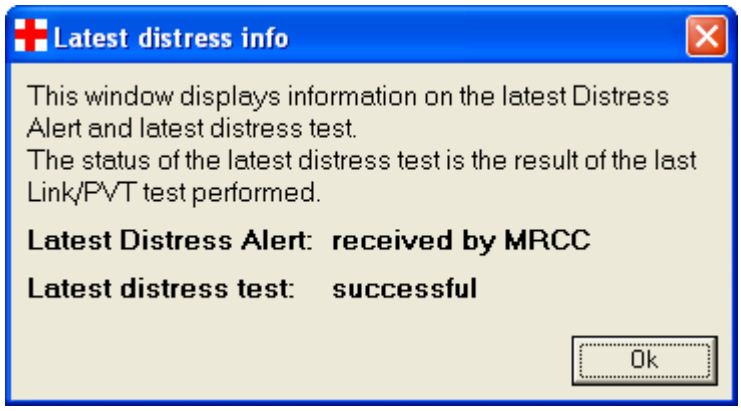


Figure 42 Latest distress information window

This window shows the status of the latest Distress Alert that was sent. This menu item also resets the alarm buttons. Refer to 3.14.2 for more information on resetting the alarm buttons. The latest Distress Alert status field can contain three different status texts. These are explained below in Table 3

Status of latest Distress Alert	**Description of status**
"none"	A Distress Alert has not previously been sent. This will usually be the case.
"rejected"	The last Distress Alert was not received by MRCC.
"received by MRCC"	The last Distress Alert was received by MRCC (Maritime Rescue Coordination Centre"

Table 3 Status of latest Distress Alert

The status of the latest distress test (Link/PVT test) is also shown. This status field can contain three different status texts, explained below in Table 4.

Status of latest Distress Alert	**Description of status**
"none"	A Link test has not previously been executed. You can start a Link test from 'Options→Link test'
"rejected"	The last Link test was not completed successfully.
"successful"	The last Link test was completed successfully.

Table 4 Status of latest distress test

3.14.4 DISTRESS TEST MODE

'Distress→Distress Test Mode'.

Feature of SOLAS and NON-SOLAS with Distress transceivers only.

When selecting this menu item, the easyTrack is set into Distress Test Mode. In itself this does not test anything, but it gives the user the possibility to safely test the alarm buttons without any Distress Alerts being sent. Refer to [2] for information about the alarm button installation.

Note also that the Link test is another important part of the regular, recommended test. That part will test that the link to the satellite is fully operational.

IMPORTANT: DO **NEVER** TEST THIS INSTLLATION BY SENDING AN ALERT ON-AIR. Any Distress Alerts coming through the Inmarsat-C network will be taken seriously by the receiving authorities.

The Distress Test mode will allow the user to operate the distress button without any alerts are actually being sent.

The windows shown in Figure 43 will be shown while Distress Test Mode is active.

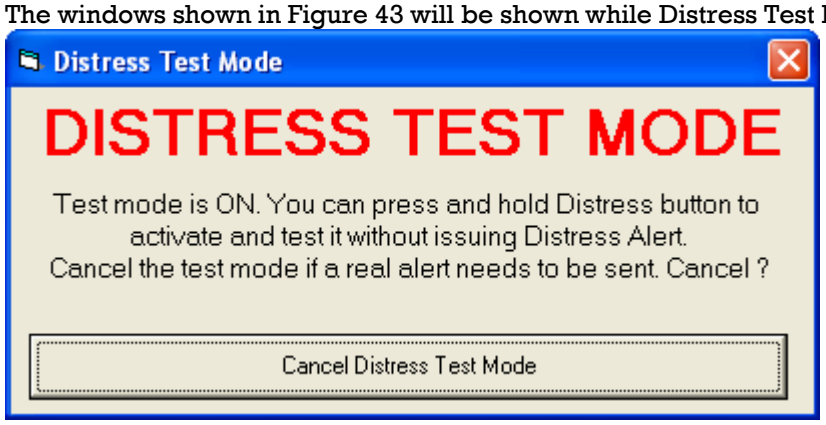


Figure 43 Distress Test Mode

In Distress Test Mode the alarm panel can be pressed without any alerts being sent.
The recommended test procedure is this:

Action	Light in the button	Buzzer (if installed)
Press the alert button	Flashing	Beeping
Hold the button for at least 5 seconds	On with an off-period every 15 seconds.	Off
Press the CLEAR button (if installed)	Off	On
Release the CLEAR button (if installed)	Off	Off

If this test passes the installation is correct.

3.14.5 DISTRESS MESSAGE

Feature of SOLAS and NON-SOLAS with Distress transceivers only.

A Distress Message or Distress priority message is used in addition to Distress alert when time permits during the distress situation and it is NOT used instead of Distress alerting. When the Distress Alert is confirmed, a more detailed distress priority message can be sent giving more information about the distress situation, e.g. number people on board, situation with the vessel, assistance required, etc. The main requirements here is to send the message via the same LES as distress alert and the message will also be delivered to the same MRCC (Maritime Rescue Coordination Centre).

Inmarsat-C Distress priority message is also used to cancel Inmarsat-C false Distress Alerts whereby the ship's operator is aware of a false alert and send distress priority message via the same LES asking to cancel his alert. In this case both false alert and subsequent distress priority message will be delivered to the same MRCC who will know immediately (or almost) that the alert is false. It is an IMO recommended procedure how to cancel false alerts via Inmarsat C.

Refer to [2] for more information on the use of Distress Messages.

To send a Distress Message, click the Distress Message Editor button.
The two information windows below are shown before entering the Distress Message Editor.

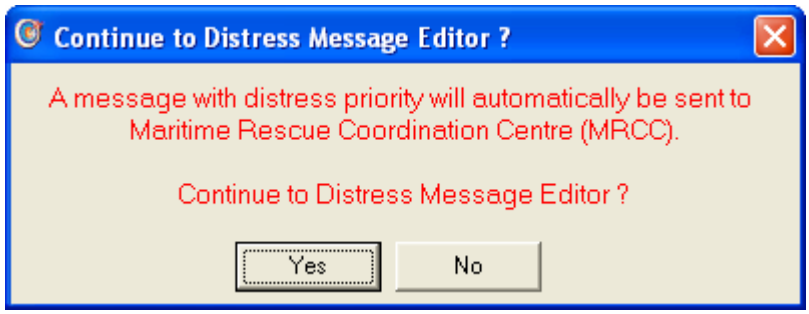


Figure 44 Distress Message Editor info 1

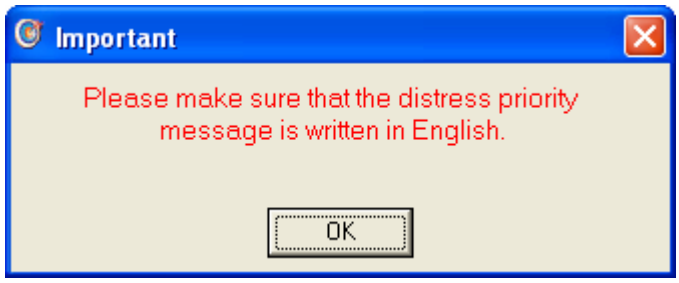


Figure 45 Distress Message Editor info 2

When entering the Distress Message Editor, two lines of auto text is immediately inserted, latest position and mobile number.

A Distress Message is always sent directly to an MRCC and this address cannot be changed. It is not possible to add other addresses to this message either.

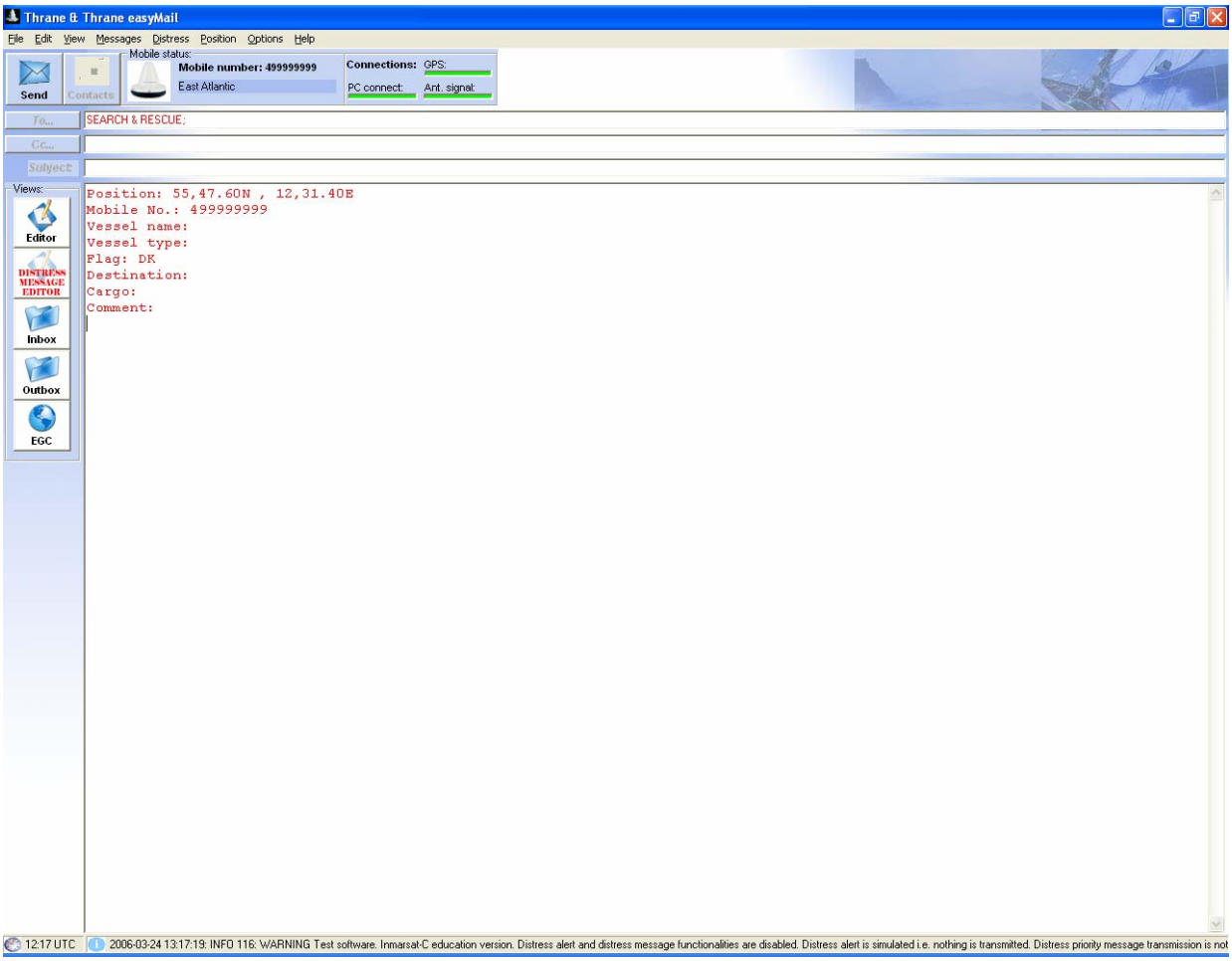


Figure 46 The Distress Message Editor

When the message has been written, click 'Send' like when sending normal message. Distress Messages are not password protected, so if a transmit password has been entered this will not be checked when sending the Distress Message.

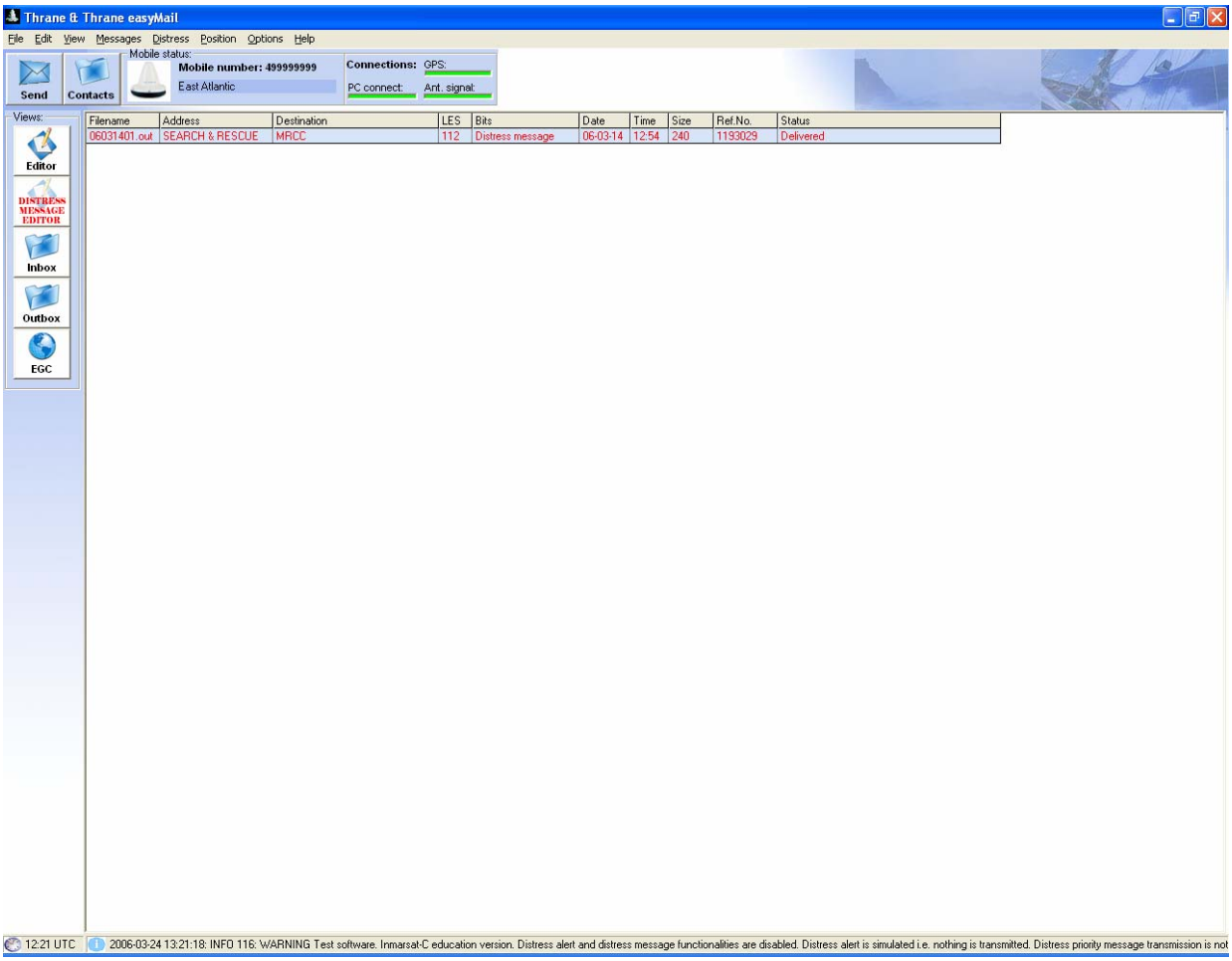


Figure 47 A Distress Message entry in the Outbox

4 GETTING FURTHER INFORMATION

If this User/Operator manual did not answer your question or you like to read more please refer to section 1.1 Related Documents that includes a list of other Thrane & Thrane documents that might be of interest.